

## Author Index

- Abidin MR, 387  
 Abramo AC, 398  
 Accorsi A, 457  
 Almand J, 44  
 Alpert BS, 66, 121  
 Al-Qattan MM, 382  
 Anderson GI, 49  
 Anigian G, 570  
 Apesos J, 570  
 Apfelberg DB, 181  
 Arenas C, 278  
 Argenta LC, 139, 216, 327, 583  
 Artz JS, 284
- Baack BR, 73  
 Baroudi R, 396, 404  
 Beal SL, 281  
 Becker DG, 339  
 Bell G, 180  
 Bellian KT, 339  
 Benmeir P, 583  
 Bentley B II, 355  
 Berman DE, 312, 316  
 Berrino P, 221  
 Botha M, 269  
 Boydell CL, 44  
 Brown RE, 73  
 Buncke GM, 121  
 Buncke HJ, 66, 121  
 Burkhardt BR, 389  
 Burns WW, 216  
 Burstein F, 577  
 Butler PH, 550
- Cahoy MJ, 232  
 Calcaterra T, 577  
 Campbell A, 152  
 Campora E, 221  
 Chait LA, 201  
 Chen H-c, 272  
 Chermofsky MA, 361  
 Chowdary RP, 361  
 Chu C-P, 232  
 Cohen S, 577  
 Cohnen BC, 27  
 Cohnen TB, 27  
 Coleman C, 284  
 Coleman JJ III, 61  
 Commons GW, 590  
 Crawford CR, 77  
 Crook E, 216, 327  
 Cruzzavala J, 358  
 Cunningham BL, 368
- DaMatta A, 278
- DeFranzo AJ, 583  
 De Santis G, 527  
 Dillerud E, 182  
 Dinner MI, 284  
 Ditesheim JA, 139, 327  
 Dooley WC, 387  
 Durham K, 387
- Ebata K, 540  
 Edlich RF, 339  
 Edwards RJ, 31  
 Eldad A, 583  
 Endo T, 519  
 Epplery BL, 36, 152  
 Ersek RA, 93  
 Eskenazi L, 389
- Falcone RE, 115  
 Fee WE Jr, 392, 394  
 Feldman DL, 288  
 Fisher JC, 297  
 Fogdestam I, 345  
 Ford TD, 269  
 Francel TJ, 191  
 Franceschi N, 121
- Garland D, 132  
 Gibney J, 586  
 Glafkides MC, 9  
 Goebel M, 156  
 Goin MK, 210  
 Goldfarb IW, 559  
 Gorney M, 297  
 Govila A, 80  
 Gowda M, 364  
 Grazer FM, 184  
 Grotting JC, 351
- Hagerty RC, 77  
 Hallock GG, 21, 126, 299, 305  
 Hamanaka H, 253  
 Hammell EJ, 559  
 Harashina T, 146  
 Harris JH Jr, 103  
 Hatoko M, 146  
 Hawtof D, 364  
 Heame VA, 27  
 Heller N, 421  
 Hentz VR, 192, 391, 392  
 Hemdl E, 97  
 Herold DA, 312, 316  
 Hicks W Jr, 589  
 Hing DN, 66  
 Hirase Y, 519  
 Hochberg J, 358
- Hoehn JG, 232  
 Hoopes JE, 31  
 Hosaka Y, 238  
 Hudson WP, 216  
 Hugo NE, 586
- Ichinose M, 238  
 Ilstrup DM, 232  
 Imai K, 146  
 Im MJ, 31  
 Inoue T, 146  
 Ishida J, 488  
 Isshiki N, 253  
 Izquierdo R, 44
- Jabs AD, 586  
 Jackson I, 364  
 Jackson IT, 179  
 Jennings DA, 216, 327, 583  
 Jennings IF, 361  
 Jinnai T, 238
- Kaneda T, 540, 562  
 Kato K, 371  
 Kelly MA, 201  
 Kendall TE, 182  
 Khouri RK, 574  
 Kilgore ES Jr, 296  
 Kim H, 519  
 Kinoshita Y, 519  
 Kitano Y, 371  
 Klatsky SA, 594  
 Klingman RR, 156  
 Kojima T, 519  
 Korman J, 390  
 Kruavit A, 56  
 Kunert P, 509
- Landi A, 527  
 La Rosee JR, 139  
 Lawrence WT, 164  
 Lawson AE, 364  
 Ledbetter MS, 139, 327  
 Lehr GS, 265  
 Leist P, 265  
 Leitner DW, 181  
 Leone S, 221  
 Lettieri J, 312, 316  
 Lineaweaver WC, 66, 121  
 Lin YF, 316  
 Luce EA, 181  
 Lucchetti R, 527  
 Lundeberg T, 537  
 Lusthaus S, 583
- Mackay DR, 201  
 Mahoney ME, 294, 295
- Malm M, 537  
 Mandel MA, 110  
 Manders EK, 201  
 Markowitz BL, 577  
 Mathews WA, 184  
 Matsushita Y, 253  
 Matsuyama M, 562  
 McKee M, 49  
 McKenna PJ, 265  
 Meland NB, 1  
 Millard DR Jr, 252  
 Miller AP, 115  
 Miyachi Y, 253  
 Montellano L, 429  
 Morgan RF, 312, 316, 339  
 Morykwas MJ, 139, 216, 327, 583  
 Mühlbauer W, 97  
 Murphy RX Jr, 361  
 Murray GF, 358  
 Muzy S, 457
- Nachbar JM, 321  
 Nakai H, 371  
 Navarro JA, 93  
 Navykam T, 56  
 Neuman A, 583  
 Nicosia F, 221  
 Noordhoff MS, 272
- Oakes DD, 188  
 Onizuka T, 238  
 Orringer J, 577  
 Orrison WW Jr, 321  
 Osgood G, 364  
 Ozcan G, 332
- Paitich B, 49  
 Park C, 87  
 Parry SW, 44  
 Pearl RM, 92, 517  
 Peled II, 179  
 Pickering JW, 550  
 Pompan D, 132  
 Pontes R, 439  
 Povedano A, 398  
 Powell DM, 339
- Ramon I, 179  
 Rappaport NH, 103  
 Rees TD, 210  
 Ribeiro L, 457  
 Richards RR, 49  
 Robertson GA, 382  
 Ross JH, 179  
 Rotem M, 583

July issue, pp 1-96; August issue, pp 97-196; September issue, pp 197-296; October issue, pp 297-394; November issue, pp 395-508; December issue, pp 509-608.

## Author Index

- Abidin MR, 387  
 Abramo AC, 398  
 Accorsi A, 457  
 Almand J, 44  
 Alpert BS, 66, 121  
 Al-Qattan MM, 382  
 Anderson GI, 49  
 Anigian G, 570  
 Apesos J, 570  
 Apfelberg DB, 181  
 Arenas C, 278  
 Argenta LC, 139, 216, 327, 583  
 Artz JS, 284
- Baack BR, 73  
 Baroudi R, 396, 404  
 Beal SL, 281  
 Becker DG, 339  
 Bell G, 180  
 Bellian KT, 339  
 Benmeir P, 583  
 Bentley B II, 355  
 Berman DE, 312, 316  
 Berrino P, 221  
 Botha M, 269  
 Boydell CL, 44  
 Brown RE, 73  
 Buncke GM, 121  
 Buncke HJ, 66, 121  
 Burkhardt BR, 389  
 Burns WW, 216  
 Burstein F, 577  
 Butler PH, 550
- Cahoy MJ, 232  
 Calcaterra T, 577  
 Campbell A, 152  
 Campora E, 221  
 Chait LA, 201  
 Chen H-c, 272  
 Chermofsky MA, 361  
 Chowdary RP, 361  
 Chu C-P, 232  
 Cohen S, 577  
 Cohnen BC, 27  
 Cohnen TB, 27  
 Coleman C, 284  
 Coleman JJ III, 61  
 Commons GW, 590  
 Crawford CR, 77  
 Crook E, 216, 327  
 Cruzzavala J, 358  
 Cunningham BL, 368
- DaMatta A, 278
- DeFranzo AJ, 583  
 De Santis G, 527  
 Dillerud E, 182  
 Dinner MI, 284  
 Ditesheim JA, 139, 327  
 Dooley WC, 387  
 Durham K, 387
- Ebata K, 540  
 Edlich RF, 339  
 Edwards RJ, 31  
 Eldad A, 583  
 Endo T, 519  
 Epplery BL, 36, 152  
 Ersek RA, 93  
 Eskenazi L, 389
- Falcone RE, 115  
 Fee WE Jr, 392, 394  
 Feldman DL, 288  
 Fisher JC, 297  
 Fogdestam I, 345  
 Ford TD, 269  
 Francel TJ, 191  
 Franceschi N, 121
- Garland D, 132  
 Gibney J, 586  
 Glafkides MC, 9  
 Goebel M, 156  
 Goin MK, 210  
 Goldfarb IW, 559  
 Gorney M, 297  
 Govila A, 80  
 Gowda M, 364  
 Grazer FM, 184  
 Grotting JC, 351
- Hagerty RC, 77  
 Hallock GG, 21, 126, 299, 305  
 Hamanaka H, 253  
 Hammell EJ, 559  
 Harashina T, 146  
 Harris JH Jr, 103  
 Hatoko M, 146  
 Hawtof D, 364  
 Heame VA, 27  
 Heller N, 421  
 Hentz VR, 192, 391, 392  
 Hemdl E, 97  
 Herold DA, 312, 316  
 Hicks W Jr, 589  
 Hing DN, 66  
 Hirase Y, 519  
 Hochberg J, 358
- Hoehn JG, 232  
 Hoopes JE, 31  
 Hosaka Y, 238  
 Hudson WP, 216  
 Hugo NE, 586
- Ichinose M, 238  
 Ilstrup DM, 232  
 Imai K, 146  
 Im MJ, 31  
 Inoue T, 146  
 Ishida J, 488  
 Isshiki N, 253  
 Izquierdo R, 44
- Jabs AD, 586  
 Jackson I, 364  
 Jackson IT, 179  
 Jennings DA, 216, 327, 583  
 Jennings IF, 361  
 Jinnai T, 238
- Kaneda T, 540, 562  
 Kato K, 371  
 Kelly MA, 201  
 Kendall TE, 182  
 Khouri RK, 574  
 Kilgore ES Jr, 296  
 Kim H, 519  
 Kinoshita Y, 519  
 Kitano Y, 371  
 Klatsky SA, 594  
 Klingman RR, 156  
 Kojima T, 519  
 Korman J, 390  
 Kruavit A, 56  
 Kunert P, 509
- Landi A, 527  
 La Rosee JR, 139  
 Lawrence WT, 164  
 Lawson AE, 364  
 Ledbetter MS, 139, 327  
 Lehr GS, 265  
 Leist P, 265  
 Leitner DW, 181  
 Leone S, 221  
 Lettieri J, 312, 316  
 Lineaweaver WC, 66, 121  
 Lin YF, 316  
 Luce EA, 181  
 Lucchetti R, 527  
 Lundeborg T, 537  
 Lusthaus S, 583
- Mackay DR, 201  
 Mahoney ME, 294, 295
- Malm M, 537  
 Mandel MA, 110  
 Manders EK, 201  
 Markowitz BL, 577  
 Mathews WA, 184  
 Matsushita Y, 253  
 Matsuyama M, 562  
 McKee M, 49  
 McKenna PJ, 265  
 Meland NB, 1  
 Millard DR Jr, 252  
 Miller AP, 115  
 Miyachi Y, 253  
 Montellano L, 429  
 Morgan RF, 312, 316, 339  
 Morykwas MJ, 139, 216, 327, 583  
 Mühlbauer W, 97  
 Murphy RX Jr, 361  
 Murray GF, 358  
 Muzy S, 457
- Nachbar JM, 321  
 Nakai H, 371  
 Navarro JA, 93  
 Navykam T, 56  
 Neuman A, 583  
 Nicosia F, 221  
 Noordhoff MS, 272
- Oakes DD, 188  
 Onizuka T, 238  
 Orringer J, 577  
 Orrison WW Jr, 321  
 Osgood G, 364  
 Ozcan G, 332
- Paitich B, 49  
 Park C, 87  
 Parry SW, 44  
 Pearl RM, 92, 517  
 Peled II, 179  
 Pickering JW, 550  
 Pompan D, 132  
 Pontes R, 439  
 Povedano A, 398  
 Powell DM, 339
- Ramon I, 179  
 Rappaport NH, 103  
 Rees TD, 210  
 Ribeiro L, 457  
 Richards RR, 49  
 Robertson GA, 382  
 Ross JH, 179  
 Rotem M, 583

July issue, pp 1-96; August issue, pp 97-196; September issue, pp 197-296; October issue, pp 297-394; November issue, pp 395-508; December issue, pp 509-608.

Roth AG, 292  
 Rubayi S, 132  
 Russavage JM, 559  
  
 Sacchetti GL, 527  
 Sadove AM, 36, 152  
 Saga S, 562  
 Sala P, 180  
 Sánchez J, 180  
 Santana PSM, 498  
 Santanelli F, 345  
 Santi P, 221  
 Sasaki S, 562  
 Satterberg T, 577  
 Schemitsch EH, 49  
 Schendel SA, 294, 393  
 Schmidt A, 97  
 Schnur PL, 232, 355  
 Shaw W, 577  
 Shenaq S, 332  
 Shin KS, 87  
 Siegel RJ, 293

Siko PP, 121  
 Sinow JD, 368  
 Slater H, 559  
 Smith P, 156  
 Song C, 201  
 Soragni O, 527  
 Spira M, 332  
 Starnes HF Jr, 390  
 Stevenson GW, 292  
 Stromberg B, 156  
 Sucher E, 583  
 Sultan MR, 61  
 Susam P, 371  
 Suzuki S, 253  
  
 Takato T, 371  
 Takeda H, 371  
 Tanaka I, 146  
 Tang Y-b, 272  
 Teichgraber JF, 103  
 Thacker JC, 339  
 Thaller SR, 281

Thorne J, 312  
 Toth BA, 9  
 Trelles MA, 180

Uebel CO, 476  
 Ueda M, 540, 562  
 Ullmann Y, 179  
 Upton J, 574  
 Usui Y, 238

Valentine J, 156  
 Vander Ark WD, 139  
 Vélez M, 180  
 Vicari F, 292  
 Vierra M, 189  
 Vistnes LM, 187, 197, 293,  
 294, 395, 589  
 Visuthikosol V, 56

Walker EP, 550  
 Waters LM, 590

Wei F-c, 272  
 Weimar R, 1  
 Weinberg A, 583  
 Welling RE, 265  
 Weshler Z, 583  
 Wexler MR, 583  
 White D, 187  
 White WL, 327  
 Whitney TM, 66  
 Widgerow AD, 269  
 Wongbusarakum S, 56

Yang J-Y, 258  
 Yim KK, 121  
 Yonehara Y, 371  
 Yuen JC, 358

Zappi L, 221  
 Zarem H, 192  
 Zelnik JN, 190  
 Zimmer CA, 339

## Subject Index

### Abdomen, surgery

- free abdominoplasty flap for immediate breast reconstruction (Grotting) 1991;27:351 (Case report)
- re: abdominoplasty combined with liposuction (Dillerud) (Letter); (Grazer and Mathews) (Reply) 1991;27:182

### Abdominoplasty; see Abdomen, surgery

### Acquired immunodeficiency syndrome

- AIDS, wound healing, and the surgeon's well-being (Fisher and Gorney) 1991;27:297 (Editorial)

### Advertising

- logos—vanity or venality? (Hallock) 1991;27:299 (Editorial)

### AIDS; see Acquired immunodeficiency syndrome

### Airway obstruction

- maxillofacial trauma: a potentially fatal injury (Thaller and Beal) 1991;27:281 (Case report)
- radiology of upper airway obstruction in maxillofacial trauma (Teichgraber et al) 1991;27:103

### Alopecia

- micrografts and minigrafts: a new approach for baldness surgery (Uebel) 1991;27:476

### Amniotic fluid

- effects of partial and total amniotic fluid exclusion on excisional fetal rabbit wounds (Ledbetter et al) 1991;27:139

### Amputation

- finger reconstruction with triple toe transfer from the same foot for a patient with a special job and previous foot trauma (Chen et al) 1991;27:272 (Case report)
- Krukenberg procedure in the bilateral amputee after electrical burn (Visuthikosol et al) 1991;27:56

### Amputation stumps

- amputation stump salvage using a "banked" free-tissue transfer (Jennings et al) 1991;27:361 (Case report)

### Anemia, sickle cell

- bilateral lower limb salvage with free flaps in a patient with sickle cell ulcers (Khoury and Upton) 1991;27:574 (Case report)

### Animal models; see Models, animal

### Annals of Plastic Surgery

- changes in the Editorial Board (Vistnes) 1991;27:197 (Message from the editor)
- new members of *Annals* Editorial Board 1991;27:198 (Message from the editor)

### Antibiotics

- penetration of antibiotics through Omiderm in vitro and on split-thickness skin grafts in burn patients (Rus-savage et al) 1991;27:559

### Antisepsis

- antiseptic effectiveness with fibroblast preservation (Mc-Kenna et al) 1991;27:265

### Arm

- upper arm fasciocutaneous flap in breast reconstruction (DaMatta and Arenas) 1991;27:278 (Case report)

### Arterial anastomosis

- survival of an upper lip aesthetic complex using arterial reanastomosis only (Crawford and Hagerty) 1991;27:77 (Case report)

### Bacteria

- antiseptic effectiveness with fibroblast preservation (Mc-Kenna et al) 1991;27:265
- atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)

### Bacterial adhesion

- in vitro adhesion of endogenous skin microorganisms to breast prostheses (Jennings et al) 1991;27:216

### Baldness; see Alopecia

### Bandages

- penetration of antibiotics through Omiderm in vitro and on split-thickness skin grafts in burn patients (Rus-savage et al) 1991;27:559
- which dressing for split-thickness skin graft donor sites? (Feldman) 1991;27:288 (Overview)

### Benzyl alcohols

- steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316

### Binder's syndrome

- Binder's syndrome: peculiarities in Japanese patients (Takato et al) 1991;27:371 (Case report)

### Blepharoplasty; see Eyelids, surgery

### Blood flow, regional; see Regional blood flow

### Body contour

- calf augmentation (Montellano) 1991;27:429
- flankplasty: a specific treatment to improve body contouring (Baroudi) 1991;27:404

### Bone plates

- microfixation techniques in pediatric craniomaxillofacial surgery (Sadove and Eppley) 1991;27:36

### Books

- Aesthetic Surgery of the Breast*, edited by Georgiade et al (Burkhardt) 1991;27:389
- Aesthetic Surgery of the Eyelids*, by Loeb (Siegel) 1991; 27:293
- Atlas of Cutaneous Facial Flaps and Grafts: A Differential Diagnosis of Wound Closures*, by Moy (Eskenazi) 1991; 27:389

July issue, pp 1-96; August issue, pp 97-196; September issue, pp 197-296; October issue, pp 297-394; November issue, pp 395-508; December issue, pp 509-608.

- An Atlas of Surgical Exposures of the Upper Extremity*, by Tubiana et al (Hentz) 1991;27:192
- Breast Cancer: Conservative and Reconstructive Surgery*, edited by Bohmert et al (Waters) 1991;27:590
- The Chin*, edited by Levignac (Schendel) 1991;27:294
- Clinical Anatomy of the Nose, Nasal Cavity and Paranasal Sinuses*, by Lang (Fee) 1991;27:392
- Complications in Surgery and Trauma, Second Edition*, edited by Greenfield (Mahoney) 1991;27:294
- Controversies in Hand Surgery*, edited by Neviaser (Kilgore) 1991;27:296
- Cosmetic Blepharoplasty*, by Bosniak (Klatsky) 1991;27:594
- Craniofacial Malformations*, edited by Stricker et al (Schendel) 1991;27:393
- Flaps in Head and Neck Surgery*, by Conley and Patow (Hicks) 1991;27:589
- Hand Surgery: Specialty Examination Review*, by Kulick (Hentz) 1991;27:392
- Instructional Courses, Volume II, 1989*, edited by Russell (White) 1991;27:187
- Lasers in Otolaryngology—Head and Neck Surgery*, edited by Davis (Fee) 1991;27:394
- Lipoplasty: The Theory and Practice of Blunt Section Lipectomy, Second Edition*, edited by Hetter (Commons) 1991;27:590
- Maingot's Abdominal Operations, Ninth Edition*, edited by Schwartz et al (Vierra) 1991;27:189
- Management of Blunt Trauma*, edited by McMurty and McLellan (Mahoney) 1991;27:295
- Multidisciplinary Management of Cleft Lip and Palate*, by Bardach and Morris (Korman) 1991;27:390
- Open Structure Rhinoplasty*, edited by Johnson and Toriumi (Vistnes) 1991;27:187
- The Peripheral Nerve: Structure, Function, and Reconstruction*, by Terzis and Smith (Hentz) 1991;27:391
- Plastic and Reconstructive Breast Surgery*, by Bostwick (Vistnes) 1991;27:293
- Plastic Surgery in Paediatrics*, by Muir (Francel) 1991;27:191
- Ptosis, Fourth Edition*, by Callahan and Beard (Vistnes) 1991;27:589
- Reduction Mammoplasty*, edited by Goldwyn (Zelnik) 1991;27:190
- Rush University Review of Surgery*, edited by Economou et al (Oakes) 1991;27:188
- The Sophisticated Shopper's Guide to Plastic Surgery*, by Jobe (Zarem) 1991;27:192
- Surgical Anatomy of the Nose*, by Tardy (Vistnes) 1991;27:589
- Surgical Endocrinology, Clinical Syndromes, Second Edition*, edited by Friesen and Thompson (Starnes) 1991;27:390
- Techniques in Aesthetic Rhinoplasty, Second Edition*, by Peck (Vistnes) 1991;27:294

## Brachial plexus

- postmastectomy brachial plexus injury exacerbated by tissue expansion (Sinow and Cunningham) 1991;27:368 (Case report)

## Brazil

- editor's introduction to the Brazilian issue (Vistnes) 1991;27:395 (Message from the editor)
- why aesthetic plastic surgery became popular in Brazil (Baroudi) 1991;27:396 (Editorial)

## Breast

- breast reconstruction: systemic factors influencing local complications (Miller and Falcone) 1991;27:115
- free abdominoplasty flap for immediate breast reconstruction (Grotting) 1991;27:351 (Case report)
- in vitro adhesion of endogenous skin microorganisms to breast prostheses (Jennings et al) 1991;27:216
- lidocaine diffusion in five tissue expanders: an in vitro and in vivo study (Berman et al) 1991;27:312
- nineteen years' experience with polyurethane foam-covered mammary prosthesis: a preliminary report (Cohney et al) 1991;27:27
- postmastectomy brachial plexus injury exacerbated by tissue expansion (Sinow and Cunningham) 1991;27:368 (Case report)
- re: infection following breast reconstruction (Ramon et al) 1991;27:179 (Letter)
- reduction mammoplasty: cosmetic or reconstructive procedure? (Schnur et al) 1991;27:232
- split bipedicle transverse rectus abdominis flaps: expanding their uses in breast reconstruction (Glafkides and Toth) 1991;27:9
- steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316
- transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93 (Gadgetry)
- transverse rectus abdominis musculocutaneous flap for breast reconstruction in obese patients (Berrino et al) 1991;27:221
- upper arm fasciocutaneous flap in breast reconstruction (DaMatta and Arenas) 1991;27:278 (Case report)
- use of immediate postoperative mastectomy prostheses (Abidin et al) 1991;27:387 (Gadgetry)
- validation of quantification of breast implant capsule surface area and volume using magnetic resonance imaging (Nachbar and Orrison) 1991;27:321

## Burns

- burn contracture preventing uterine expansion (Widgerow et al) 1991;27:269 (Case report)
- penetration of antibiotics through Omiderm in vitro and on split-thickness skin grafts in burn patients (Rus-savage et al) 1991;27:559

## Burns, electrical

- Krukenberg procedure in the bilateral amputee after electrical burn (Visuthikosol et al) 1991;27:56
- reconstruction of two separated electrical burn ulcers (Imai et al) 1991;27:146

**Calf**; *see* **Leg**

**Carbon dioxide laser surgery**; *see* **Laser surgery**

**Carcinoma, Merkel cell**

re: Merkel cell carcinoma: the clinical course (Ross and Jackson) 1991;27:179 (Letter)

**Cardiac rupture**; *see* **Heart rupture**

**Cartilage, transplantation**

use of costal cartilage cantilever grafts in Negroid rhinoplasties (Song et al) 1991;27:201

**Case reports**

acquired nostril stenosis (Al-Qattan and Robertson) 1991;27:382

amputation stump salvage using a "banked" free-tissue transfer (Jennings et al) 1991;27:361

atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73

bilateral lower limb salvage with free flaps in a patient with sickle cell ulcers (Khoury and Upton) 1991;27:574

Binder's syndrome: peculiarities in Japanese patients (Takato et al) 1991;27:371

burn contracture preventing uterine expansion (Widgerow et al) 1991;27:269

complications of laser therapy in the gynecological patient:

a review of four patients (Lawson et al) 1991;27:364

distally based posterior interosseous island flap for the coverage of skin loss of the hand (Landi et al) 1991;27:527

finger reconstruction with triple toe transfer from the same foot for a patient with a special job and previous foot trauma (Chen et al) 1991;27:272

free abdominoplasty flap for immediate breast reconstruction (Grotting) 1991;27:351

functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87

immediate muscle flap coverage for repair of cardiac rupture associated with mediastinitis (Yuen et al) 1991;27:358

maxillofacial trauma: a potentially fatal injury (Thaller and Beal) 1991;27:281

postmastectomy brachial plexus injury exacerbated by tissue expansion (Sinow and Cunningham) 1991;27:368

reconstruction of penile and scrotal lymphedema (Aposos and Anigian) 1991;27:570

restoration of facial contour with deepithelialized pectoralis major musculocutaneous flap (Govila) 1991;27:80

salvage of successful mandibular advancement for obstructive sleep apnea using a bipedicle osteocutaneous scapular free flap (Sultan and Coleman) 1991;27:61

sequential multiple free flap transfers for reconstruction of devastating hand injuries (Whitney et al) 1991;27:66

survival of an upper lip aesthetic complex using arterial reanastomosis only (Crawford and Hagerty) 1991;27:77

synchronous eruption of cotton-induced granulomas 45 years after exposure: report of an unusual case (Bentley and Schnur) 1991;27:355

upper arm fasciocutaneous flap in breast reconstruction (DaMatta and Arenas) 1991;27:278

use of a vertical island flap for correction of epispadias (Santanelli and Fogdestam) 1991;27:345

**Chimera**

simultaneous transposition of anterior thigh muscle and fascia flaps: an introduction to the chimera flap principle (Hallock) 1991;27:126

**Chin**

extended dissection of the mental area in face-lift operations (Pontes) 1991;27:439

**Chondrocutaneous flap**; *see* **Flaps, osteocutaneous**

**Cleft lip**

contour lines of the upper lip and a revised method of cleft lip repair, with invited comment by D. R. Millard, Jr, MD (Onizuka et al) 1991;27:238

nasal tip treatment by lengthening of the short columella in bilateral cleft lip sequelae (Ishida) 1991;27:488

orbicularis oris muscle: a double-breasted suture for its repair in the unilateral cleft lip (Abramo and Povedano) 1991;27:398

**Colchicine**

in search of the optimal treatment of keloids: report of a series and a review of the literature (Lawrence) 1991;27:164 (Overview)

**Columella**; *see* **Nose**

**Contracture**

burn contracture preventing uterine expansion (Widgerow et al) 1991;27:269 (Case report)

inhibition of wound contraction by papaverine: in vitro analysis with a submucosal tissue model (Sasaki et al) 1991;27:562

**Correction**

brachial plexus injuries: an integrated treatment concept (Berger et al) 1991;26:70) 1991;27:194

**Costal cartilage graft**; *see* **Cartilage, transplantation**

**Cotton**

synchronous eruption of cotton-induced granulomas 45 years after exposure: report of an unusual case (Bentley and Schnur) 1991;27:355 (Case report)

**Craniofacial surgery**; *see* **Skull, surgery**

**Depression**

prospective study of patients' psychological reactions to rhinoplasty (Goin and Rees) 1991;27:210

**de Quervain's tenosynovitis**; *see* **Tenosynovitis**

**Distal flap necrosis**; *see* **Necrosis**

**Donor site**

which dressing for split-thickness skin graft donor sites? (Feldman) 1991;27:288 (Overview)

**Dressings**; *see* **Bandages**

**Ectopic transfer**

increasing the vascular pedicle length in a free flap using a two-stage preliminary ectopic transfer (Schmidt et al) 1991;27:97



# Editorial Board

- changes in the Editorial Board (Vistnes) 1991;27:197 (Message from the editor)
- new members of *Annals* Editorial Board 1991;27:198 (Message from the editor)

# Editorials

- AIDS, wound healing, and the surgeon's well-being (Fisher and Gorney) 1991;27:297
- logos—vanity or venality? (Hallock) 1991;27:299

# Education

- re: let us proceed with due deliberation (Luce) (Letter); (Leitner) (Letter); (Kendall) (Letter) 1991;27:181

# Electrical burn; see Burns, electrical

# Endotracheal intubation; see Intubation, intratracheal

# Epispadias

- use of a vertical island flap for correction of epispadias (Santanelli and Fogdestam) 1991;27:345 (Case report)

# Epulis

- obstructive congenital epulis in a newborn (Eppeley et al) 1991;27:152

# Eyelids, surgery

- re: carbon dioxide laser blepharoplasty—advantages and disadvantages (Trelles et al) (Letter); (Apfelberg) (Reply) 1991;27:180

# Face

- facial distribution of port wine stains on patients presenting for laser treatment (Pickering et al) 1991;27:550
- recontouring of the lateral forehead using the temporalis muscle (Hallock) 1991;27:21
- subcutaneous pedicle flaps in facial repair (Heller) 1991;27:421

# Face lift; see Rhytidoplasty

# Facial asymmetry

- restoration of facial contour with deepithelized pectoralis major musculocutaneous flap (Govila) 1991;27:80 (Case report)

# Facial lines

- treatment of glabellar frown lines using silicone implants (Mandel) 1991;27:110

# Fascial flaps; see Flaps, fascial

# Fasciocutaneous flaps; see Flaps, fasciocutaneous

# Femur

- proximal femoral resection and myocutaneous flap for treatment of pressure ulcers in spinal injury patients (Rubayi et al) 1991;27:132

# Fetus

- effects of partial and total amniotic fluid exclusion on excisional fetal rabbit wounds (Ledbetter et al) 1991;27:139
- monodelphis domesticus: a model for early developmental wound healing (Morykwas et al) 1991;27:327

# Fibroblasts

- antiseptic effectiveness with fibroblast preservation (McKenna et al) 1991;27:265

# Fingers

- finger reconstruction with triple toe transfer from the

- same foot for a patient with a special job and previous foot trauma (Chen et al) 1991;27:272 (Case report)

# First web space; see Web space

# Flankplasty

- flankplasty: a specific treatment to improve body contouring (Baroudi) 1991;27:404

# Flaps, fascial

- microsurgical reconstruction: experience with free fascia flaps (Meland and Weimar) 1991;27:1
- sequential multiple free flap transfers for reconstruction of devastating hand injuries (Whitney et al) 1991;27:66 (Case report)
- simultaneous transposition of anterior thigh muscle and fascia flaps: an introduction to the chimera flap principle (Hallock) 1991;27:126
- structure and construction: the system of skin flaps, with invited comment by Robert M. Pearl, MD (Kunert) 1991;27:509

# Flaps, fasciocutaneous

- upper arm fasciocutaneous flap in breast reconstruction (DaMatta and Arenas) 1991;27:278 (Case report)

# Flaps, island

- aesthetic mound reconstruction with the TRAM flap: inset of the abdominal island flap—the use of the interposition “C” flap (Dinner et al) 1991;27:284 (Gadgetry)
- distally based posterior interosseous island flap for the coverage of skin loss of the hand (Landi et al) 1991;27:527 (Case report)
- split bipedicle transverse rectus abdominis flaps: expanding their uses in breast reconstruction (Glafkides and Toth) 1991;27:9
- subcutaneous pedicle hypothernar island flap (Kinoshita et al) 1991;27:519
- use of a vertical island flap for correction of epispadias (Santanelli and Fogdestam) 1991;27:345 (Case report)

# Flaps, muscle

- bilateral lower limb salvage with free flaps in a patient with sickle cell ulcers (Khouri and Upton) 1991;27:574 (Case report)
- eleven consecutive combined latissimus dorsi and serratus anterior free muscle transplantations (Franceschi et al) 1991;27:121
- functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87 (Case report)
- immediate muscle flap coverage for repair of cardiac rupture associated with mediastinitis (Yuen et al) 1991;27:358 (Case report)
- orbicularis oris muscle: a double-breasted suture for its repair in the unilateral cleft lip (Abramo and Povedano) 1991;27:398
- simultaneous transposition of anterior thigh muscle and fascia flaps: an introduction to the chimera flap principle (Hallock) 1991;27:126
- structure and construction: the system of skin flaps, with

**Flaps, muscle** (Continued)

invited comment by Robert M. Pearl, MD (Kunert) 1991;27:509

**Flaps, musculocutaneous**

aesthetic mound reconstruction with the TRAM flap: inset of the abdominal island flap—the use of the interposition “C” flap (Dinner et al) 1991;27:284 (Gadgetry)

deep inferior epigastric rectus abdominis muscle and myocutaneous free tissue transfer: further applications for head and neck reconstruction (Markowitz et al) 1991;27:577

great auricular nerve revisited: pertinent anatomy for SMAS-platysma rhytidectomy (Izquierdo et al) 1991;27:44

proximal femoral resection and myocutaneous flap for treatment of pressure ulcers in spinal injury patients (Rubayi et al) 1991;27:132

re: clinical experience with immediate breast reconstruction using tissue expansion or transverse rectus abdominis musculocutaneous flaps (Gibney) (Letter); (Jabs and Hugo) (Reply) 1991;27:586

reconstruction of two separated electrical burn ulcers (Imai et al) 1991;27:146

restoration of facial contour with deepithelized pectoralis major musculocutaneous flap (Govila) 1991;27:80 (Case report)

sequential multiple free flap transfers for reconstruction of devastating hand injuries (Whitney et al) 1991;27:66 (Case report)

split bipedicle transverse rectus abdominis flaps: expanding their uses in breast reconstruction (Glafkides and Toth) 1991;27:9

transverse rectus abdominis musculocutaneous flap for breast reconstruction in obese patients (Berrino et al) 1991;27:221

traumatic hemipelvectomy (Klingman et al) 1991;27:156

**Flaps, osteocutaneous**

nasal tip treatment by lengthening of the short columella in bilateral cleft lip sequelae (Ishida) 1991;27:488

salvage of successful mandibular advancement for obstructive sleep apnea using a bipedicle osteocutaneous scapular free flap (Sultan and Coleman) 1991;27:61 (Case report)

**Flaps, pedicle**

first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

increasing the vascular pedicle length in a free flap using a two-stage preliminary ectopic transfer (Schmidt et al) 1991;27:97

subcutaneous pedicle flaps in facial repair (Heller) 1991;27:421

subcutaneous pedicle hypothernar island flap (Kinoshita et al) 1991;27:519

**Flaps, skin**

acquired nostril stenosis (Al-Qattan and Robertson) 1991;27:382 (Case report)

amputation stump salvage using a “banked” free-tissue transfer (Jennings et al) 1991;27:361 (Case report)

functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87 (Case report)

new flap model in the rat (Ozcan et al) 1991;27:332

structure and construction: the system of skin flaps, with invited comment by Robert M. Pearl, MD (Kunert) 1991;27:509

**Flaps, subcutaneous**

structure and construction: the system of skin flaps, with invited comment by Robert M. Pearl, MD (Kunert) 1991;27:509

subcutaneous pedicle flaps in facial repair (Heller) 1991;27:421

subcutaneous pedicle hypothernar island flap (Kinoshita et al) 1991;27:519

**Flaps, vascular**

first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

free abdominoplasty flap for immediate breast reconstruction (Grotting) 1991;27:351 (Case report)

increasing the vascular pedicle length in a free flap using a two-stage preliminary ectopic transfer (Schmidt et al) 1991;27:97

methods for providing vascularized tissue protection of microanastomoses (Hallock) 1991;27:305

**Flap survival; see Graft survival**

**Forearm**

functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87 (Case report)

Krukenberg procedure in the bilateral amputee after electrical burn (Visuthikosol et al) 1991;27:56

**Forehead**

recontouring of the lateral forehead using the temporalis muscle (Hallock) 1991;27:21

treatment of glabellar frown lines using silicone implants (Mandel) 1991;27:110

**Foreign-body reaction**

synchronous eruption of cotton-induced granulomas 45 years after exposure: report of an unusual case (Bentley and Schnur) 1991;27:355 (Case report)

**Frown lines; see Facial lines**

**Gadgetry**

aesthetic mound reconstruction with the TRAM flap: inset of the abdominal island flap—the use of the interposition “C” flap (Dinner et al) 1991;27:284

transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93

use of immediate postoperative mastectomy prostheses (Abidin et al) 1991;27:387



**Genital diseases, female**

complications of laser therapy in the gynecological patient: a review of four patients (Lawson et al) 1991;27:364 (Case report)

**Giant melanoma; see Melanoma**

**Glabella; see Forehead**

**Gluteus muscles**

traumatic hemipelvectomy (Klingman et al) 1991;27:156

**Glycogen**

effects of hyperbaric oxygen preservation on rat limb replantation: a preliminary report (Edwards et al) 1991;27:31

**Graft survival**

salvage of distal flap necrosis by topical superoxide dismutase (Suzuki et al) 1991;27:253

**Granuloma**

synchronous eruption of cotton-induced granulomas 45 years after exposure: report of an unusual case (Bentley and Schnur) 1991;27:355 (Case report)

**Great auricular nerve**

great auricular nerve revisited: pertinent anatomy for SMAS-platysma rhytidectomy (Izquierdo et al) 1991;27:44

**Gynecological diseases; see Genital diseases, female**

**Hair, transplantation**

micrografts and minigrafts: a new approach for baldness surgery (Uebel) 1991;27:476

**Hand**

distally based posterior interosseous island flap for the coverage of skin loss of the hand (Landi et al) 1991;27:527 (Case report)

first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

sequential multiple free flap transfers for reconstruction of devastating hand injuries (Whitney et al) 1991;27:66 (Case report)

subcutaneous pedicle hypothenar island flap (Kinoshita et al) 1991;27:519

**Head and neck neoplasms**

deep inferior epigastric rectus abdominis muscle and myocutaneous free tissue transfer: further applications for head and neck reconstruction (Markowitz et al) 1991;27:577

**Heart rupture**

immediate muscle flap coverage for repair of cardiac rupture associated with mediastinitis (Yuen et al) 1991;27:358 (Case report)

**Helium-neon laser surgery; see Laser surgery**

**Hemipelvectomy**

traumatic hemipelvectomy (Klingman et al) 1991;27:156

**Homeopathy**

giant melanoma of the inner thigh: a homeopathic life-threatening negligence (Benmeir et al) 1991;27:583

**How I do it**

treatment of the Negroid nose without nasal alar excision: a personal technique (Santana) 1991;27:498

**Hyperbaric oxygenation**

effects of hyperbaric oxygen preservation on rat limb replantation: a preliminary report (Edwards et al) 1991;27:31

**Hypothenar; see Hand**

**Implants, artificial**

analysis of silicon in human breast and capsular tissue surrounding prostheses and expanders (Jennings et al) 1991;27:553

breast reconstruction: systemic factors influencing local complications (Miller and Falcone) 1991;27:115

calf augmentation (Montellano) 1991;27:429

in vitro adhesion of endogenous skin microorganisms to breast prostheses (Jennings et al) 1991;27:216

lidocaine diffusion in five tissue expanders: an in vitro and in vivo study (Berman et al) 1991;27:312

nineteen years' experience with polyurethane foam-covered mammary prosthesis: a preliminary report (Cohney et al) 1991;27:27

steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316

transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93 (Gadgetry)

treatment of glabellar frown lines using silicone implants (Mandel) 1991;27:110

use of immediate postoperative mastectomy prostheses (Abidin et al) 1991;27:387 (Gadgetry)

validation of quantification of breast implant capsule surface area and volume using magnetic resonance imaging (Nachbar and Orrison) 1991;27:321

**Infant; see Newborn**

**Infection**

atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)

in vitro adhesion of endogenous skin microorganisms to breast prostheses (Jennings et al) 1991;27:216

re: infection following breast reconstruction (Ramon et al) 1991;27:179 (Letter)

**Intubation, intratracheal**

re: rigid endotracheal tube stabilization during craniomaxillofacial surgery (Roth et al) 1991;27:292 (Letter)

**Island flaps; see Flaps, island**

**Japan**

Binder's syndrome: peculiarities in Japanese patients (Takato et al) 1991;27:371 (Case report)

**Keloid**

in search of the optimal treatment of keloids: report of a series and a review of the literature (Lawrence) 1991;27:164 (Overview)

# **Krukenberg procedure**

Krukenberg procedure in the bilateral amputee after electrical burn (Visuthikosol et al) 1991;27:56

# **Laser surgery**

complications of laser therapy in the gynecological patient: a review of four patients (Lawson et al) 1991;27:364 (Case report)  
facial distribution of port wine stains on patients presenting for laser treatment (Pickering et al) 1991;27:550  
low-power HeNe laser treatment of venous leg ulcers (Lundberg and Malm) 1991;27:537  
re: carbon dioxide laser blepharoplasty—advantages and disadvantages (Trelles et al) (Letter); (Apfelberg) (Reply) 1991;27:180

# **Latissimus dorsi muscle**

bilateral lower limb salvage with free flaps in a patient with sickle cell ulcers (Khouri and Upton) 1991;27:574 (Case report)  
eleven consecutive combined latissimus dorsi and serratus anterior free muscle transplantations (Franceschi et al) 1991;27:121  
functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87 (Case report)

# **Leg**

calf augmentation (Montellano) 1991;27:429

# **Leg ulcer; see Ulcer, leg**

# **Letters**

re: abdominoplasty combined with liposuction (Dillerud) (Letter); (Grazer and Mathews) (Reply) 1991;27:182  
re: carbon dioxide laser blepharoplasty—advantages and disadvantages (Trelles et al) (Letter); (Apfelberg) (Reply) 1991;27:180  
re: clinical experience with immediate breast reconstruction using tissue expansion or transverse rectus abdominis musculocutaneous flaps (Gibney) (Letter); (Jabs and Hugo) (Reply) 1991;27:586  
re: infection following breast reconstruction (Ramon et al) 1991;27:179  
re: let us proceed with due deliberation (Luce) (Letter); (Leitner) (Letter); (Kendall) (Letter) 1991;27:181  
re: Merkel cell carcinoma: the clinical course (Ross and Jackson) 1991;27:179  
re: rigid endotracheal tube stabilization during craniomaxillofacial surgery (Roth et al) 1991;27:292

# **Lidocaine**

lidocaine diffusion in five tissue expanders: an in vitro and in vivo study (Berman et al) 1991;27:312

# **Lip**

contour lines of the upper lip and a revised method of cleft lip repair, with invited comment by D. R. Millard, Jr, MD (Onizuka et al) 1991;27:238  
survival of an upper lip aesthetic complex using arterial reanastomosis only (Crawford and Hagerty) 1991;27:77 (Case report)

# **Lipectomy**

flankplasty: a specific treatment to improve body contouring (Baroudi) 1991;27:404  
re: abdominoplasty combined with liposuction (Dillerud) (Letter); (Grazer and Mathews) (Reply) 1991;27:182

# **Liposuction; see Lipectomy**

# **Logos**

logos—vanity or venality? (Hallock) 1991;27:299 (Editorial)

# **Magnetic resonance imaging**

validation of quantification of breast implant capsule surface area and volume using magnetic resonance imaging (Nachbar and Orrison) 1991;27:321

# **Mammoplasty; see Breast**

# **Mammary prosthesis; see Prosthesis**

# **Mandible**

salvage of successful mandibular advancement for obstructive sleep apnea using a bipedicle osteocutaneous scapular free flap (Sultan and Coleman) 1991;27:61 (Case report)

# **Mastectomy**

postmastectomy brachial plexus injury exacerbated by tissue expansion (Sinow and Cunningham) 1991;27:368 (Case report)  
use of immediate postoperative mastectomy prostheses (Abidin et al) 1991;27:387 (Gadgetry)

# **Maxillary neoplasms**

obstructive congenital epulis in a newborn (Eppley et al) 1991;27:152

# **Maxillofacial injuries**

maxillofacial trauma: a potentially fatal injury (Thaller and Beal) 1991;27:281 (Case report)  
radiology of upper airway obstruction in maxillofacial trauma (Teichgraber et al) 1991;27:103

# **Mediastinitis**

immediate muscle flap coverage for repair of cardiac rupture associated with mediastinitis (Yuen et al) 1991;27:358 (Case report)

# **Melanoma**

giant melanoma of the inner thigh: a homeopathic life-threatening negligence (Benmeir et al) 1991;27:583

# **Merkel cell carcinoma; see Carcinoma, Merkel cell**

# **Metacarpus**

first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

# **Microfixation**

microfixation techniques in pediatric craniomaxillofacial surgery (Sadove and Eppley) 1991;27:36

# **Micrograft; see Microsurgery**

# **Microorganisms, adhesion of; see Bacterial adhesion**

# **Microorganisms; see Bacteria**

# **Microsurgery**

methods for providing vascularized tissue protection of microanastomoses (Hallock) 1991;27:305  
micrografts and minigrafts: a new approach for baldness surgery (Uebel) 1991;27:476

- microsurgical reconstruction: experience with free fascia flaps (Meland and Weimar) 1991;27:1  
new compound-curved needle for microvascular surgery (Edlich et al) 1991;27:339
- Microvascular surgery; see Microsurgery**
- Minigraft; see Microsurgery**
- Models, animal**  
monodelphis domesticus: a model for early developmental wound healing (Morykwas et al) 1991;27:327  
new flap model in the rat (Ozcan et al) 1991;27:332
- Monodelphis domesticus; see Opossums**
- Motivation**  
reduction mammoplasty: cosmetic or reconstructive procedure? (Schnur et al) 1991;27:232
- Mouth mucosa**  
in vitro fabrication of bioartificial mucosa for reconstruction of oral mucosa: basic research and clinical application (Ueda et al) 1991;27:540
- Muscle flaps; see Flaps, muscle**
- Muscles, transplantation**  
eleven consecutive combined latissimus dorsi and serratus anterior free muscle transplantations (Franceschi et al) 1991;27:121  
functioning free latissimus dorsi muscle transplantation: anterogradely positioned usage in reconstruction of extensive forearm defect, with invited comment by Robert M. Pearl, MD (Park and Shin) 1991;27:87 (Case report)
- Musculocutaneous flaps; see Flaps, musculocutaneous**
- Mycobacterium**  
atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)
- Myocutaneous flaps; see Flaps, musculocutaneous**
- Nasal tip; see Nose**
- Navel; see Umbilicus**
- Necrosis**  
salvage of distal flap necrosis by topical superoxide dismutase (Suzuki et al) 1991;27:253
- Needles**  
new compound-curved needle for microvascular surgery (Edlich et al) 1991;27:339
- Negroid**  
treatment of the Negroid nose without nasal alar excision: a personal technique (Santana) 1991;27:498 (How I do it)  
use of costal cartilage cantilever grafts in Negroid rhinoplasties (Song et al) 1991;27:201
- Nevus, pigmented**  
facial distribution of port wine stains on patients presenting for laser treatment (Pickering et al) 1991;27:550
- Newborn**  
obstructive congenital epulis in a newborn (Eppley et al) 1991;27:152
- Nose**  
acquired nostril stenosis (Al-Qattan and Robertson) 1991;27:382 (Case report)  
Binder's syndrome: peculiarities in Japanese patients (Takato et al) 1991;27:371 (Case report)  
nasal tip treatment by lengthening of the short columella in bilateral cleft lip sequelae (Ishida) 1991;27:488  
treatment of the Negroid nose without nasal alar excision: a personal technique (Santana) 1991;27:498 (How I do it)
- Obesity**  
transverse rectus abdominis musculocutaneous flap for breast reconstruction in obese patients (Berrino et al) 1991;27:221
- Obstructive sleep apnea; see Sleep apnea syndrome**
- Omiderm; see Bandages**
- Omphaloplasty**  
omphaloplasty (Ribeiro et al) 1991;27:457
- Opossums**  
monodelphis domesticus: a model for early developmental wound healing (Morykwas et al) 1991;27:327
- Oral mucosa; see Mouth mucosa**
- Orbicularis oris muscle**  
orbicularis oris muscle: a double-breasted suture for its repair in the unilateral cleft lip (Abramo and Povedano) 1991;27:398
- Osteocutaneous flap; see Flaps, osteocutaneous**
- Osteotomy**  
soft-tissue blood flow after segmental osteotomy of the canine tibia (Anderson et al) 1991;27:49
- Overview**  
in search of the optimal treatment of keloids: report of a series and a review of the literature (Lawrence) 1991;27:164  
which dressing for split-thickness skin graft donor sites? (Feldman) 1991;27:288
- Papaverine**  
inhibition of wound contraction by papaverine: in vitro analysis with a submucosal tissue model (Sasaki et al) 1991;27:562
- Patient motivation; see Motivation**
- Patient satisfaction**  
prospective study of patients' psychological reactions to rhinoplasty (Goin and Rees) 1991;27:210
- Pectoralis muscles**  
restoration of facial contour with deepithelized pectoralis major musculocutaneous flap (Govila) 1991;27:80 (Case report)  
transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93 (Gadgetry)
- Pediatrics**  
microfixation techniques in pediatric craniomaxillofacial surgery (Sadove and Eppley) 1991;27:36  
obstructive congenital epulis in a newborn (Eppley et al) 1991;27:152

# **Penis**

- reconstruction of penile and scrotal lymphedema (Apesos and Anigian) 1991;27:570 (Case report)
- use of a vertical island flap for correction of epispadias (Santaneli and Fogdestam) 1991;27:345 (Case report)

# **Phosphates**

- effects of hyperbaric oxygen preservation on rat limb replantation: a preliminary report (Edwards et al) 1991;27:31

# **Platysma**

- great auricular nerve revisited: pertinent anatomy for SMAS-platysma rhytidectomy (Izquierdo et al) 1991;27:44

# **Polyurethane**

- nineteen years' experience with polyurethane foam-covered mammary prosthesis: a preliminary report (Cohney et al) 1991;27:27

# **Port wine stain; see Nevus, pigmented**

# **Postmastectomy; see Mastectomy**

# **Pregnancy**

- burn contracture preventing uterine expansion (Widgerow et al) 1991;27:269 (Case report)
- effects of partial and total amniotic fluid exclusion on excisional fetal rabbit wounds (Ledbetter et al) 1991;27:139

# **Preservation of tissue; see Tissue preservation**

# **Pressure ulcer; see Ulcer**

# **Prosthesis**

- analysis of silicon in human breast and capsular tissue surrounding prostheses and expanders (Jennings et al) 1991;27:553
- calf augmentation (Montellano) 1991;27:429
- in vitro adhesion of endogenous skin microorganisms to breast prostheses (Jennings et al) 1991;27:216
- lidocaine diffusion in five tissue expanders: an in vitro and in vivo study (Berman et al) 1991;27:312
- nineteen years' experience with polyurethane foam-covered mammary prosthesis: a preliminary report (Cohney et al) 1991;27:27
- steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316
- transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93 (Gadgetry)
- use of immediate postoperative mastectomy prostheses (Abidin et al) 1991;27:387 (Gadgetry)
- validation of quantification of breast implant capsule surface area and volume using magnetic resonance imaging (Nachbar and Orrison) 1991;27:321

# **Psychology**

- prospective study of patients' psychological reactions to rhinoplasty (Goin and Rees) 1991;27:210
- reduction mammoplasty: cosmetic or reconstructive procedure? (Schnur et al) 1991;27:232

# **Radiology**

- radiology of upper airway obstruction in maxillofacial trauma (Teichgraber et al) 1991;27:103

# **Rectus abdominis muscle**

- aesthetic mound reconstruction with the TRAM flap: inset of the abdominal island flap—the use of the interposition "C" flap (Dinner et al) 1991;27:284 (Gadgetry)
- deep inferior epigastric rectus abdominis muscle and myocutaneous free tissue transfer: further applications for head and neck reconstruction (Markowitz et al) 1991;27:577
- re: clinical experience with immediate breast reconstruction using tissue expansion or transverse rectus abdominis musculocutaneous flaps (Gibney) (Letter); (Jabs and Hugo) (Reply) 1991;27:586
- reconstruction of two separated electrical burn ulcers (Imai et al) 1991;27:146
- split bipedicle transverse rectus abdominis flaps: expanding their uses in breast reconstruction (Glafkides and Toth) 1991;27:9
- transverse rectus abdominis musculocutaneous flap for breast reconstruction in obese patients (Berrino et al) 1991;27:221

# **Reduction mammoplasty; see Breast**

# **Regional blood flow**

- soft-tissue blood flow after segmental osteotomy of the canine tibia (Anderson et al) 1991;27:49

# **Replantation**

- effects of hyperbaric oxygen preservation on rat limb replantation: a preliminary report (Edwards et al) 1991;27:31
- survival of an upper lip aesthetic complex using arterial reanastomosis only (Crawford and Hagerty) 1991;27:77 (Case report)

# **Retractor; see Surgical instruments**

# **Reviewers**

- list of reviewers 1991;27:196

# **Rhinoplasty**

- prospective study of patients' psychological reactions to rhinoplasty (Goin and Rees) 1991;27:210
- use of costal cartilage cantilever grafts in Negroid rhinoplasties (Song et al) 1991;27:201

# **Rhytidectomy; see Rhytidoplasty**

# **Rhytidoplasty**

- extended dissection of the mental area in face-lift operations (Pontes) 1991;27:439
- great auricular nerve revisited: pertinent anatomy for SMAS-platysma rhytidectomy (Izquierdo et al) 1991;27:44

# **Scapula**

- salvage of successful mandibular advancement for obstructive sleep apnea using a bipedicle osteocutaneous scapular free flap (Sultan and Coleman) 1991;27:61 (Case report)

# **Scrotum**

- reconstruction of penile and scrotal lymphedema (Apesos and Anigian) 1991;27:570 (Case report)

**Serratus muscle**

- eleven consecutive combined latissimus dorsi and serratus anterior free muscle transplantations (Franceschi et al) 1991;27:121
- microsurgical reconstruction: experience with free fascia flaps (Meland and Weimar) 1991;27:1

**Sickle cell anemia; see Anemia, sickle cell**

**Silicon**

- analysis of silicon in human breast and capsular tissue surrounding prostheses and expanders (Jennings et al) 1991;27:553
- calf augmentation (Montellano) 1991;27:429
- treatment of glabellar frown lines using silicone implants (Mandel) 1991;27:110

**Skin flaps; see Flaps, skin**

**Skin transplantation**

- penetration of antibiotics through Omiderm in vitro and on split-thickness skin grafts in burn patients (Rus-savage et al) 1991;27:559
- which dressing for split-thickness skin graft donor sites? (Feldman) 1991;27:288 (Overview)

**Skull, surgery**

- microfixation techniques in pediatric craniomaxillofacial surgery (Sadove and Eppley) 1991;27:36
- re: rigid endotracheal tube stabilization during craniomax-illofacial surgery (Roth et al) 1991;27:292 (Letter)

**Sleep apnea syndrome**

- salvage of successful mandibular advancement for obstructive sleep apnea using a bipedicle osteocutaneous scapular free flap (Sultan and Coleman) 1991;27:61 (Case report)

**SMAS-platysma flap; see Flaps, musculocutaneous**

**Spinal cord injuries**

- proximal femoral resection and myocutaneous flap for treatment of pressure ulcers in spinal injury patients (Rubayi et al) 1991;27:132

**Split-thickness skin graft; see Skin transplantation**

**Steroids**

- atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)
- steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316

**Superficial musculoaponeurotic system-platysma flap; see Flaps, musculocutaneous**

**Superoxide dismutase**

- salvage of distal flap necrosis by topical superoxide dismutase (Suzuki et al) 1991;27:253

**Surgical instruments**

- new compound-curved needle for microvascular surgery (Edlich et al) 1991;27:339
- transaxillary subpectoral placement of textured breast prostheses (Ersek and Navarro) 1991;27:93 (Gadgetry)

**Surgical replantation; see Replantation**

**Temporal muscle**

- recontouring of the lateral forehead using the temporalis muscle (Hallock) 1991;27:21

**Tenosynovitis**

- atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)

**Thigh**

- giant melanoma of the inner thigh: a homeopathic life-threatening negligence (Benmeir et al) 1991;27:583
- simultaneous transposition of anterior thigh muscle and fascia flaps: an introduction to the chimera flap principle (Hallock) 1991;27:126

**Thrombosis**

- methods for providing vascularized tissue protection of microanastomoses (Hallock) 1991;27:305

**Thumb**

- first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

**Tibia**

- soft-tissue blood flow after segmental osteotomy of the canine tibia (Anderson et al) 1991;27:49

**Tissue expanders**

- analysis of silicon in human breast and capsular tissue surrounding prostheses and expanders (Jennings et al) 1991;27:553
- breast reconstruction: systemic factors influencing local complications (Miller and Falcone) 1991;27:115
- lidocaine diffusion in five tissue expanders: an in vitro and in vivo study (Berman et al) 1991;27:312
- postmastectomy brachial plexus injury exacerbated by tissue expansion (Sinow and Cunningham) 1991;27:368 (Case report)
- re: clinical experience with immediate breast reconstruction using tissue expansion or transverse rectus abdominis musculocutaneous flaps (Gibney) (Letter); (Jabs and Hugo) (Reply) 1991;27:586
- steroid and benzyl alcohol diffusion through tissue expanders and double lumen breast implants (Berman et al) 1991;27:316

**Tissue preservation**

- effects of hyperbaric oxygen preservation on rat limb replantation: a preliminary report (Edwards et al) 1991;27:31

**Toes, transplantation**

- finger reconstruction with triple toe transfer from the same foot for a patient with a special job and previous foot trauma (Chen et al) 1991;27:272 (Case report)

**Training program; see Education**

**TRAM flap; see Flaps, musculocutaneous**

**Triamcinolone**

- in search of the optimal treatment of keloids: report of a series and a review of the literature (Lawrence) 1991;27:164 (Overview)

**Ulcer**

proximal femoral resection and myocutaneous flap for treatment of pressure ulcers in spinal injury patients (Rubayi et al) 1991;27:132

reconstruction of two separated electrical burn ulcers (Imai et al) 1991;27:146

**Ulcer, leg**

bilateral lower limb salvage with free flaps in a patient with sickle cell ulcers (Khouri and Upton) 1991;27:574 (Case report)

low-power HeNe laser treatment of venous leg ulcers (Lundeberg and Malm) 1991;27:537

**Umbilicus**

omphaloplasty (Ribeiro et al) 1991;27:457

**Uterus**

burn contracture preventing uterine expansion (Widgerow et al) 1991;27:269 (Case report)

**Venous leg ulcer, see Ulcer, leg**

**Web space**

first dorsal metacarpal flap in first web space and thumb reconstruction (Yang) 1991;27:258

**Wound healing**

AIDS, wound healing, and the surgeon's well-being (Fisher and Gorney) 1991;27:297 (Editorial)

inhibition of wound contraction by papaverine: in vitro analysis with a submucosal tissue model (Sasaki et al) 1991;27:562

monodelphis domesticus: a model for early developmental wound healing (Morykwas et al) 1991;27:327

**Wrist**

atypical mycobacterium soft-tissue infection of the dorsal radial wrist: a possible complication of steroid injection for de Quervain's disease (Baack and Brown) 1991;27:73 (Case report)



